Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for mapping a translation type in a No. 7 gateway signaling network, comprising:

defining translation type information of a first signaling network in a translation type mapping table;

mapping a translation type contained in a signaling connection control part (SCCP) message of the first signaling network received [[by]] from an adjacent signaling network into a translation type of a second network by searching the translation type mapping table; [[and]]

mapping a translation type of the second signaling network contained in [[the]] a SCCP message to be transmitted to the adjacent signaling network into the translation type of the first signaling network by searching the translation type mapping table; and

inserting the mapped translation type into a same field of a protocol used to communicate between the first and second signaling networks such that a structure of the protocol is not changed.

2. (Original) The method of claim 1, wherein the translation type mapping table comprises a receiving translation type table configured to resolve the translation type of the second signaling network with at least one of a translation type of an originating signaling network transmitting the SCCP message and the translation type of the first signaling network contained in the SCCP message.

3. (Original) The method of claim 1, wherein the translation type mapping table comprises a transmitting translation type table configured to resolve a translation type of a terminating signaling network with at least one of a translation type of the terminating signaling network to receive the SCCP message and the translation type of the second signaling network contained in the SCCP message.

4. (Currently Amended) The method of claim 1, wherein ~~the step of~~ defining the translation type information comprises:

receiving translation type mapping information according to a request to define [[the]] a translation type mapping for the first signaling network;

storing the translation type mapping information in the translation type mapping table; and

transferring the translation type mapping information to a processor to perform [[the]] a translation type mapping function.

5. (Currently Amended) The method of claim 4, wherein if the second signaling network is defined as a gateway signaling network, the translation type used by the first signaling network is defined in [[the]] a SCCP signaling network, and the first signaling network is defined in the signaling network of the gateway.

6. (Original) The method of claim 4, wherein the translation type mapping information comprises the second signaling network translation type information.

7. (Currently Amended) The method of claim 4, wherein the translation type mapping information comprises [[the]] information related to the first signaling network as a mapping object.

8. (Currently Amended) The method of claim 4, wherein the translation type mapping information comprises the translation type information [[on]] of the first signaling network as a mapping object.

9. (Currently Amended) The method of claim 1, wherein ~~the step of~~ mapping [[a]] the translation type of [[a]] the message received from the first network comprises:

searching [[the]] an originating signaling network transmitting the SCCP message if the SCCP message is received from a signal link interworked with the adjacent signaling network, and searching the translation type contained in the SCCP message of the first signaling network if the originating signaling network is the first signaling network;

determining whether the translation type of the second signaling network corresponding to the translation type of the first signaling network exists by searching the receiving translation type mapping table with the resolved translation type of the first signaling network; and

mapping the translation type of the first signaling network contained in the SCCP message into the translation type of the second signaling network, if the translation type of the second signaling network corresponding to the translation type of the first signaling network exists.

10. (Currently Amended) The method of claim 1, wherein ~~the step of~~ mapping [[a]] the translation type of ~~messages~~ the message to be transmitted comprises:

searching the translation type of the second signaling network contained in the SCCP message to be transmitted if [[the]] a terminating signaling network is the first signaling network;

determining whether the translation type of the first signaling network corresponding to the translation type of the second signaling network exists by searching the transmitting translation type mapping table with [[the]] a resolved translation type of the second signaling network; and

mapping the translation type of the second signaling network contained in the SCCP message to be transmitted into the translation type used by the terminating network, if the translation type of the first signaling network corresponding to the translation type of the second signaling network exists.

11. (Currently Amended) A method of transmitting a signaling connection control part (SCCP) message from a first network to a second network, comprising:

generating a first SCCP signal having a first translation type;

transmitting the first SCCP signal from a first network;

searching a translation type mapping table for a definition corresponding to the first translation type;

receiving the first SCCP signal by a second network having a second translation type;

mapping the first translation type to the second translation type according to the definition from the translation type mapping table; and

inserting the mapped second translation type into a same octet as the first translational type of a protocol used to communicate between the first and second networks.

12. (Currently Amended) A method of mapping a translation type in a common channel signaling network, comprising:

identifying a first translation type of a first network based on a signaling connection control part (SCCP) message;

searching a look-up table for a second translation type of a second network corresponding to the first translation type;

mapping the first translation type to the second translation type in accordance with a definition of the look-up table; and

wherein the first and second networks use the same protocol structure to communicate with each other and the mapped second translation type is placed in a same position of the protocol as the first translation type.

13. (Original) The method of claim 12, wherein the look-up table comprises one of a receiving translation type mapping table and a transmitting translation type mapping table.

14. (Original) The method of claim 13, wherein the transmitting translation type mapping table is configured to resolve a translation type of a terminating signaling network with at least one of a translation type of the terminating signaling network to receive the SCCP message and the translation type of the second network contained in the SCCP message.

15. (Original) The method of claim 13, wherein the receiving translation type mapping table is configured to resolve the translation type of the second network with at least one of a translation type of an originating signaling network transmitting the SCCP message and the translation type of the first signaling network contained in the SCCP message.